

GenCore version 5.1.3
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OM protein - protein search, using sw model

Run on: December 25, 2002, 01:11:27 ; Search time 27 Seconds
(without alignments)
451.151 Million cell updates/sec

Title: US-09-708-724a-2
Perfect score: 2187
Sequence: 1 MGPWSVVLVCGHGGGCOAL.....LLAVTREGLEIRRIISKRRAE 414

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*

- 1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep.*
- 2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep.*
- 3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep.*
- 4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep.*
- 5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep.*
- 6: /cgn2_6/ptodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	128	5.9	1593	4	US-08-628-829-4
2	117	5.3	905	2	US-08-574-359A-9
3	117	5.3	905	4	US-09-357-014-9
4	116.5	5.3	1290	4	US-09-150-460B-6
5	111.5	5.1	1043	3	US-08-928-361B-30
6	111.5	5.1	1721	3	US-08-700-651-5
7	111.5	5.1	1721	3	US-08-928-361B-6
8	111	5.1	1481	2	US-08-616-844-40
9	111	5.1	1481	2	US-08-599-654-40
10	111	5.1	1481	3	US-08-944-868A-40
11	111	5.1	1481	3	US-08-944-423A-40
12	111	5.1	1481	3	US-08-944-496-40
13	108.5	5.0	1231	2	US-08-231-193A-48
14	108.5	5.0	1231	2	US-08-486-273A-48
15	108.5	5.0	1231	3	US-08-480-474-48
16	108.5	5.0	1231	3	US-08-940-086A-48
17	108.5	5.0	1231	4	US-08-940-035A-48
18	108.5	5.0	1231	4	US-08-935-105A-48
19	108.5	5.0	1231	4	US-09-648-797-48
20	108.5	5.0	1236	2	US-08-231-193A-6
21	108.5	5.0	1236	2	US-08-486-273A-6
22	108.5	5.0	1236	3	US-08-480-474-6
23	108.5	5.0	1236	3	US-08-940-086A-6
24	108.5	5.0	1236	4	US-08-940-035A-6
25	108.5	5.0	1236	4	US-08-935-105A-6
26	108.5	5.0	1236	4	US-09-648-797-6
27	108	4.9	1214	2	US-08-231-193A-54

28	108	4.9	1214	2	US-08-486-273A-54	Sequence 54, Appl
29	108	4.9	1214	3	US-08-480-474-54	Sequence 54, Appl
30	108	4.9	1214	3	US-08-940-086A-54	Sequence 54, Appl
31	108	4.9	1214	4	US-08-940-035A-54	Sequence 54, Appl
32	108	4.9	1214	4	US-08-935-105A-54	Sequence 54, Appl
33	108	4.9	1214	4	US-09-648-797-54	Sequence 54, Appl
34	108	4.9	1219	2	US-08-231-193A-50	Sequence 50, Appl
35	108	4.9	1219	2	US-08-486-273A-50	Sequence 50, Appl
36	108	4.9	1219	3	US-08-480-474-50	Sequence 50, Appl
37	108	4.9	1219	3	US-08-940-086A-50	Sequence 50, Appl
38	108	4.9	1219	4	US-08-940-035A-50	Sequence 50, Appl
39	108	4.9	1219	4	US-08-935-105A-50	Sequence 50, Appl
40	108	4.9	1219	4	US-09-648-797-50	Sequence 50, Appl
41	108	4.9	1239	2	US-08-231-193A-52	Sequence 52, Appl
42	108	4.9	1239	2	US-08-486-273A-52	Sequence 52, Appl
43	108	4.9	1239	3	US-08-480-474-52	Sequence 52, Appl
44	108	4.9	1239	3	US-08-940-086A-52	Sequence 52, Appl
45	108	4.9	1239	4	US-08-940-035A-52	Sequence 52, Appl

ALIGNMENTS

RESULT 1

US-08-628-829-4
; Sequence 4, Application US/08628829A
; Patent No. 633170
; GENERAL INFORMATION:
; APPLICANT: Johnson, Gary L.
; TITLE OF INVENTION: Method And Product For Regulating Cell Responsiveness To Enter
; FILE REFERENCE: CPI-004DVCP3
; CURRENT APPLICATION NUMBER: US/08/628.829A
; CURRENT FILING DATE: 1996-04-05
; EARLIER APPLICATION NUMBER: 08/440.421
; EARLIER FILING DATE: 1995-05-15
; EARLIER APPLICATION NUMBER: 08/323.460
; EARLIER FILING DATE: 1994-10-14
; EARLIER APPLICATION NUMBER: 08/049.254
; EARLIER FILING DATE: 1993-05-15
; EARLIER APPLICATION NUMBER: 08/410.602
; EARLIER FILING DATE: 1995-04-24
; EARLIER APPLICATION NUMBER: 08/472.934
; EARLIER FILING DATE: 1995-06-06
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 1593
; TYPE: PRT
; ORGANISM: Mus musculus
US-08-628-829-4

Query Match 5.9%; Score 128; DB 4; Length 1593;
Best Local Similarity 21.2%; Pred. No. 0.0052;
Matches 87; Conservative 38; Mismatches 145; Indels 140; Gaps 19;

Qy	38	PFCGAQLMTQNPTLP	---	SVSHRSPPGNAASVTGGDCHLPTTEEEFGLVQSMKCDTV	94
Db	30	PHCFCPPTCAARPPAPSRAPAGRRGPARARALGSSARPPTRPP	-----	-----	76
Qy	95	RIKVGLOGPTTAPPLMTSEGNVTAEDEETRA	-----	---FVYVAASAAEAHWRHLV	147
Db	77	---LRPPPALSPPPSPAGTSECSPREKMAAAGDRASSGFFGCAAAASPEA	-----	-----	125
Qy	148	LLSQIHEPIGSGGNIWTKGRSQCNALPS	-----	-----	193
Db	126	-----GGGG-----GGGALQSGAPAGAAGLLREPGSAGPSARTGGGTCA	-----	-----	168
Qy	194	TRDNYHLITEEFVGWSQSMKWSQNSGGS	-----	-----	242
Db	169	-----KCGWVS-----WTSCRSRSPPPRRRAHLLPVAGARGCRSESLPAR	-----	-----	213
Qy	243	ESFVPPTTPKENNKQERE	-----	---DENWRLP-----	286

Db 214 AGPPPPGAASRCGSHAEIAAARDSCARSPAGAEPSSAA-----APSGREMENKETLGL 268
QY 287 -----PLQRIPTATIAEGLCHCTFTISPAFVSHVNLKRRKQLELLLLREVWPGRG-- 338
Db 269 HKMEDPERMIREKLK-----TCMPAKHLEWLRNRGPPVVVKPIPIKGDGSE 319
QY 339 --HMAATCKLQVGGQDRMTSLAAAPV-REAPPP---PTGASSEPSVPAL 382
Db 320 VNNLAA-----EPQEGGAGSAAPAKGRRSPSPGSSPSGRSVKPSPOV 364

RESULT 2
US-08-574-959A-9
; Sequence 9, Application US/08574959A
; Patent No. 5962224
; GENERAL INFORMATION:
; APPLICANT: Jaekyoon Shin, Insil Jooung, Ratna K. Vadlamudi
; APPLICANT: and Jack L. Strominger
; TITLE OF INVENTION: p62 POLYPEPTIDES, RELATED POLYPEPTIDES
; TITLE OF INVENTION: AND USES THEREFOR
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street, Suite 510
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/574,959A
; FILING DATE: 19-DEC-95
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E.
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: DFN-008
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)227-5941
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 905 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-574-959A-9

Query Match 5.3%; Score 117; DB 2; Length 905;
Best Local Similarity 20.8%; Pred. No. 0.025;
Matches 93; Conservative 55; Mismatches 132; Indels 168; Gaps 25;

QY 5 SVVVLVCGMKQL-----CQALQA---SVSLSIITENOGKRCPF----- 39
Db 234 SALILACGSRLLRFGILIGRLLPQVLNWSIGRDSLSPGQERPYSTVTRKVVAILLELWQ 293
QY 40 -CGAQ-----NLMTQNPTLPVSHRSPGNAVSVTGGDCHLPTTEERFG 83
Db 294 VCGASAGMLQGGASGEALLTHLLSDISPADALKLRSPRGSPDGLQTKPSAP----- 347
QY 84 VLVSQMKCDTVRIKVLQGTPTAPP---LMTSEGNVTAEDTEE-AIRAFVYVAASAAR 139
Db 348 ---KKLKD-----GEAMAPSHLLLPVCPKPSASEKIALR-----SPLSCSE 390
QY 140 AWHRHVLLSQI-----EPIGSGGNIINTNKGGRSCQNALPSP---DQSPSGNAT 190
Db 391 A-----LVTCAALTHPRVPLQPMGP-----TCPTPA-FVPLLRPHRPSG-PH 431
QY 191 TSVTRDNYHLLTEEEFGVWSQMKW-----HSQNKSGSVVVRGPT-QEPCSESO----- 239

Db 432 RSILR-----APCQWAPCQQAQPCPSAGMPSPGVPSPSEPTSTTANLIG 477
QY 240 -ILKESFVPPPT---PKENKQEREDENWRLPPPPVAETPPVPSVTEIETPLQRTPTA 295
Db 478 LLSRSVCPRLPPGPNHRAGSNED-----PILASGTPPTPIPPDETGGVRPR-- 528
QY 296 TIAGEPLGHCTFTISPAFVSHVNLKRRKQLELLLLREVWPGRGHMAATCKLQVGGQDR 355
Db 529 -----PAFVH--YDKEAS-----DVE-----ISLESDDSDSV 554
QY 356 MSLAAPVREAPPPTGASSEPSVPALP 383
Db 555 VIVPEGLPLPPPPPSGATPPPIAPTGP 582

RESULT 3
US-09-357-014-9
; Sequence 9, Application US/09357014
; Patent No. 6291645
; GENERAL INFORMATION:
; APPLICANT: Jaekyoon Shin, Insil Jooung, Ratna K. Vadlamudi
; APPLICANT: and Jack L. Strominger
; TITLE OF INVENTION: p62 POLYPEPTIDES, RELATED POLYPEPTIDES
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street, Suite 510
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/357,014
; FILING DATE: 19-Jul-1999
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/574,959
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E.
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: DFN-008
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)227-5941
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 905 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-09-357-014-9

Query Match 5.3%; Score 117; DB 4; Length 905;
Best Local Similarity 20.8%; Pred. No. 0.025;
Matches 93; Conservative 55; Mismatches 132; Indels 168; Gaps 25;

QY 5 SVVVLVCGMKQL-----CQALQA---SVSLSIITENOGKRCPF----- 39
Db 234 SALILACGSRLLRFGILIGRLLPQVLNWSIGRDSLSPGQERPYSTVTRKVVAILLELWQ 293
QY 40 -CGAQ-----NLMTQNPTLPVSHRSPGNAVSVTGGDCHLPTTEERFG 83
Db 294 VCGASAGMLQGGASGEALLTHLLSDISPADALKLRSPRGSPDGLQTKPSAP----- 347
QY 84 VLVSQMKCDTVRIKVLQGTPTAPP---LMTSEGNVTAEDTEE-AIRAFVYVAASAAR 139

Db 348 ---KKKLIDV-----GEAMAPSHILLPVCKPSPSASEKIALR-----SPLSCSE 390
QY 140 AMWHRHLVLLSQIH-----EPIGSGGNIINTNKGGRSQNPAALPSP---DQSPSGNAT 190
Db 391 A-----LVTCAALTRPVPPQPMGP-----TCPTPA-PVLLRPHRESG-PH 431
QY 191 TSVTRDNYHLLTEEFVGWMSOMKW-----HSQNKSGSVPRGPT-QEPCSESO----- 239
Db 432 RSILR-----APCQWAPCQQAQPCPSAGPMPSPAGVPSEPTSTTANLLG 477
QY 240 -ILKESFVPPYT---PKENNKQERDENWRLPPPVATPVPSVTELETPQIRPTA 295
Db 478 LLSRSPVCPRLPLPGFENHRAGSNED-----PILAPSGTPPTTIPDPTEFGGRVPR-- 528
QY 296 TIAGEPLGCHCTTISPAFVSHVNLKRRQLELLREVEWPGRGHMAATCCCKLOVEGQDRT 355
Db 529 -----PAFVH--YDEEAS-----DVE-----ISLESDDSV 554
QY 356 MSALAAPVREAPPTGASSPSVSPALP 383
Db 555 VIVPEGLPPLPPPPSGATPPPIAPTGP 582
RESULT 4
US-09-150-460B-6
; Sequence 6, Application US/09150460B
; Patent No. 6190882
; GENERAL INFORMATION:
; APPLICANT: Lee, Cheng-Chi
; APPLICANT: Albrecht, Urs
; APPLICANT: Eichele, Gregor
; APPLICANT: Sun, Zhong Sheng
; TITLE OF INVENTION: Mammalian Circadian Rhythm-Like Gene
; FILE REFERENCE: D6039
; CURRENT APPLICATION NUMBER: US/09/150.460B
; CURRENT FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: US 60/058,256
; PRIOR FILING DATE: 1997-09-09
; NUMBER OF SEQ ID NOS: 21
; SEQ ID NO 6
; LENGTH: 1290
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Protein sequence corresponding to RIGUI 4.7; Gene Bank
; OTHER INFORMATION: Accession Number: AF022991
US-09-150-460B-6
Query Match 5.3%; Score 116.5; DB 4; Length 1290;
Best Local Similarity 19.0%; Pred. No. 0.046;
Matches 89; Conservative 43; Mismatches 147; Indels 189; Gaps 19;
QY 36 RCPFCGA--QNLMTCNTPLSVSHRSPGNAVSVTGGD----- 73
Db 576 RLPATGTAKALPCQSPD-PELEAGSAPVOALVPEEAERKEASSCYQQINCLDSI 634
QY 74 -----CHLPTEEEFGLVQSMKC-----DTVRKGVLOGPTTAPLMTSE 113
Db 635 LYLESCLNLS-----TTRKKASSSYTSSASDDDRQRTGVPVSGTKKDPSSAALS 687
QY 114 GNVTAEDTEEAIRAFVYVAAASAAEAHWHRHLVLLSQ-----IHEPIGS-----GN 162
Db 688 GEGATPREPVVGGTLPALANKAES-----VSVTSQCSFSSIVH--VGDKKPPESD 740
QY 163 IINTNKGGRSQNPA--LPS-----PDQSPSGNATSVTRONYHLLTSEE----- 205
Db 741 IIMMEDPLGAPGAPSPAPSPPTVAPDPADYRVPGLTKAVLSLHTQKEQAFLSFRD 800
QY 206 -----EGWQSQMKWHSQNSGSGSVPRGVTQE-PCSESOIL 241
Db 801 LGRRLGLSSSTAPSALGERCHHGHPAPPSRRHHCRSAKAKRHHQNPRAEAPCVVSH-- 858
QY 242 KESFVPPTTPKENNKQERDENWRLPPPVATPVPS-----PSV 281

Db 859 -PSVPVPPSTP-----W-----PTPPATTPFAVVQVPLPVFSRGGPQLPAP 902
QY 282 TEIETPLOIRIPTATIAIEPLGCHCTTISPAFVSHVNLKRRQLELLREVEWPGRGHMA 341
Db 903 TSVPPAAPAPLIVTMPVALVLPNLYLFTPTPSYPY----- 936
QY 342 ATCCCKLOVEGQDRTMSLAAAPVREAPPTGASSPSVPALPGADPQR 389
Db 937 -----GADQTPA-----EGPPTPASHSPSPLPALPPSPHR 968
RESULT 5
US-08-928-361B-30
; Sequence 30, Application US/08928361B
; Patent No. 6071518
; GENERAL INFORMATION:
; APPLICANT: Petersen, Carolyn
; TITLE OF INVENTION: PEPTIDES, POLYPEPTIDES, GLYCOPROTEINS,
; TITLE OF INVENTION: THEIR FUNCTIONAL MUTANTS, VARIANTS, ANALOGS AND FRAGMENTS
; TITLE OF INVENTION: FOR TREATMENT AND DETECTION/DIAGNOSIS OF CRYPTOSPORIDIUM
; TITLE OF INVENTION: SPECIES INFECTIONS
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PETERS, VERNY, JONES & BIKSA
; STREET: 385 Sherman Avenue, Suite 6
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306-1840
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/928.361B
; FILING DATE: 12-SEP-1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/026,062
; FILING DATE: 13-SEP-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Veridy, Hana
; REGISTRATION NUMBER: 30,518
; REFERENCE/DOCKET NUMBER: 480.76-1(HV)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-324-1677
; TELEFAX: 650-324-1678
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1043 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-928-361B-30
Query Match 5.1%; Score 111.5; DB 3; Length 1043;
Best Local Similarity 21.6%; Pred. No. 0.1;
Matches 87; Conservative 46; Mismatches 140; Indels 129; Gaps 18;
QY 56 VSHRSPGPNAAVSVTGGDCH-----LPTBEEFGLVQSMKCDVRIRKGVLOGTTAPPLMT 111
Db 270 VSKRPIPGSIA-----GDLNPIMKPTQ-----TDSVTGKPIDPTTGLPNP 311
QY 112 SBG---NVTAEDETAIRAFVYVAAASAAEAHWHRHLVL-----LS 150
Db 312 PTGHLINNTNNTMDSFAGAYKAVSNGIKTDNVGLPVGEITGLPKDPSDIDFNSTT 371
QY 151 QOIHPIGSGGNIINTNKGGRSQNPAALPSPDQSPSGN---ATTSVTRD-NYHLLTEEEF 206
Db 372 GELVDP--STGKFINNSTAGIVSGKGPLP-PIEDENGNLFDPSNLPIDGNNQLVNPETN 428


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Best Local Similarity 18.7%; Pred. No. 0.19;
Matches 84; Conservative 74; Mismatches 156; Indels 136; Gaps 19;

QY 14 KOLGOALQASVLSITITENQKRCPCFGAQNLI-----MTCQNPTLPVSVSHRPPGNA 65
DB 535 REPGQALGDS---SANAEDRTSGVPSLGTHTLATVTGNGERTLRSVTLTNTSMSTSGEA 591
QY 66 A-----VSVTGGDCHLPTEEEFGVLVQSMKCDT-VRIKGVLOGPTTAP-----107
DB 592 GSPAAAMPQETEGASLHVNVTDMDGLVSRSLAASSALGVAGISYGVGRGTALEQRTSSDH 651
QY 108 -----PLMTSEGNVTAEDTEAIRAFVAVAAASAAEAHWRH-----145
DB 652 TDHTYLSSTFTTKGERALLSITDNSSSDIVESSTSYI-KISNSSHSEYSSFSHAQTERS 710
QY 146 LVLLSQHIEPIGSGNIINTNKGRCQNCPALPS---PDQSPSGN-ATTSVTRDNYHLL 201
DB 711 ISSYDGEYAQP-----STESPVLHTSNLPSYPTTINMNTSVLVD-----750
QY 202 TEEFVGVMQSMKWHSONKSGSVPVRGPTQPCSESQILKESFYPTTPKENNKQERD 261
DB 751 TDAEFVDSDDSSSSSSSSSGPPLPLPS---VSQSHHLFSSILPSTRASVHLLKSTSD 807
QY 262 EN--WRLPPPP-----VAETPVSPSVTEI-----ETPLQIRPTATIAGE 300
DB 808 ASTPWSSSPPLPVSLTSTAPLSVSQTTLPQSSSTPVLPRARETPVTSF-QTSTMT--864
QY 301 PLGHCTFTTISPAFVHVLNKRKROLELLREVWPGRGHMAATCKLOVEGDRTMSLAA 360
DB 865 -----SFTMLHSSQTADLK-----SQSTPHQEKVITESKPSPLVS 900

QY 361 APVREA-----PPPTGASSEPSVPA 381
DB 901 LPTSTKAVTNSPLPPLPSLITESSTEQTLPA 930

RESULT 11
US-08-944-423A-40
; Sequence 40, Application US/08944423A
; Patent No. 6020463
; GENERAL INFORMATION:
; APPLICANT: FALB, DEAN A
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
; TREATMENT AND DIAGNOSIS OF CARDIOVASCULAR DISEASE
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/944,423A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/599,654
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/386,844
; FILING DATE: 10-FEB-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: CORUZZI, LAURA A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7853-041
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-0900
```

; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/599,654
 ; FILING DATE: 09-FEB-1996
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/485,573
 ; FILING DATE: JUN-07-1995
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/386,844
 ; FILING DATE: 10-FEB-1995
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: CORUZZI, LAURA A.
 ; REGISTRATION NUMBER: 30,742
 ; REFERENCE/DOCKET NUMBER: 7853-105
 ; TELEPHONE: (212) 790-9090
 ; TELEFAX: (212) 869-8864
 ; TELEX: 66141 PENNIE
 ; INFORMATION FOR SEQ ID NO: 40:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 1481 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS:
 ; TOPOLOGY: unknown
 ; MOLECULE TYPE: protein
 ; US-08-944-423A-40

Query Match 5.1%; Score 111; DB 3; Length 1481;
 Best Local Similarity 18.7%; Pred. No. 0.19;
 Matches 84; Conservative 74; Mismatches 156; Indels 136; Gaps 19;
 QY 14 KQLGQALQASVLSITITENQCKRCPFCQAQNL-----MTCQNPTLPVSYSRSPGNA 65
 DB 535 REPGQALGDS---SANAEDRTSGVPSLGTHTLATVTGNGERTLSRVTLTNTSMSTTSGEA 591
 QY 66 A-----VSTGGDCHLPTTEEEFGLVQSMKCDT-VRIKGVLOGPTAP----- 107
 DB 592 GSAAAMPQETEGASLHVNTDDMGLVSRSLAASSALGVAGISYQVGRGTAIEQRTSSDH 651
 QY 108 -----PLMTSEGNVTAEDTEAIRAFVYVAVAAASAAEAHWRH----- 145
 DB 652 TDHTYLSSTFTKGERALLSITDNSSSDIVESSTSYI-KISNSHSEYSSFSHAQTERSN 710
 QY 202 TEEFVGWQSMKWHSONKSGSVVRCPTQEPCESEQILKESFVPTTPKENNKQERED 261
 DB 751 TDAEFVSDSSSSSSSSSSSGGPPPLPS---VSQSHHLFSSILPSTRASVHLKSTSD 807
 QY 262 EN--WRLPPPP-----VAETPVPSVTEI-----ETPLQIPRTATIAGE 300
 DB 808 ASTPWSSSPPLVSLTSTAPLSVSQTTLTPQSSSTPVLPRARETPTVTF-QITSTW-- 864
 QY 301 PLGCHTFTISPAFVHVLNKKRQLELLREVEWPGRGHMAATCKKLOVEQDRMTSLAA 360
 DB 865 -----SFTMLHSSQTADLK-----SQSTPHQEKVITESKSPSLVS 900
 QY 361 APVREA-----PPPTGASSEPSVPA 381
 DB 901 LPTESTRAVNTNSPLPPLSLTESSTEQTLP 930

RESULT 12
 US-08-944-496-40
 ; Sequence 40, Application US/08944496
 ; Patent No. 6124433
 ; GENERAL INFORMATION:
 ; APPLICANT: FALB, DEAN A
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
 ; TREATMENT AND DIAGNOSIS OF CARDIOVASCULAR DISEASE
 ; NUMBER OF SEQUENCES: 54
 ; CORRESPONDENCE ADDRESS:

; ADDRESSEE: PENNIE & EDMONDS LLP
 ; STREET: 1155 Avenue of the Americas
 ; CITY: New York
 ; STATE: New York
 ; COUNTRY: USA
 ; ZIP: 10036-2711
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/944,496
 ; FILING DATE: 06-OCT-1997
 ; CLASSIFICATION: 514
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/599,654
 ; FILING DATE: 09-FEB-1996
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/485,573
 ; FILING DATE: 07-JUN-1995
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/386,844
 ; FILING DATE: 10-FEB-1995
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: CORUZZI, LAURA A.
 ; REGISTRATION NUMBER: 30,742
 ; REFERENCE/DOCKET NUMBER: 7853-104
 ; TELEPHONE: (212) 790-9090
 ; TELEFAX: 66141 PENNIE
 ; INFORMATION FOR SEQ ID NO: 40:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 1481 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS:
 ; TOPOLOGY: unknown
 ; MOLECULE TYPE: protein
 ; US-08-944-496-40

Query Match 5.1%; Score 111; DB 3; Length 1481;
 Best Local Similarity 18.7%; Pred. No. 0.19;
 Matches 84; Conservative 74; Mismatches 156; Indels 136; Gaps 19;
 QY 14 KQLGQALQASVLSITITENQCKRCPFCQAQNL-----MTCQNPTLPVSYSRSPGNA 65
 DB 535 REPGQALGDS---SANAEDRTSGVPSLGTHTLATVTGNGERTLSRVTLTNTSMSTTSGEA 591
 QY 66 A-----VSTGGDCHLPTTEEEFGLVQSMKCDT-VRIKGVLOGPTAP----- 107
 DB 592 GSAAAMPQETEGASLHVNTDDMGLVSRSLAASSALGVAGISYQVGRGTAIEQRTSSDH 651
 QY 108 -----PLMTSEGNVTAEDTEAIRAFVYVAVAAASAAEAHWRH----- 145
 DB 652 TDHTYLSSTFTKGERALLSITDNSSSDIVESSTSYI-KISNSHSEYSSFSHAQTERSN 710
 QY 146 LVLLSGQIHEPIGSGNLIINTKGRSCQNALPS---PDQSPGN-ATTSVTRDNYHLL 201
 DB 711 ISSYDGEYAQP-----STESPVLHNTSLPSTPTINMPNTSVLVD----- 750
 QY 202 TEEFVGWQSMKWHSONKSGSVVRCPTQEPCESEQILKESFVPTTPKENNKQERED 261
 DB 751 TDAEFVSDSSSSSSSSSSSGGPPPLPS---VSQSHHLFSSILPSTRASVHLKSTSD 807
 QY 262 EN--WRLPPPP-----VAETPVPSVTEI-----ETPLQIPRTATIAGE 300
 DB 808 ASTPWSSSPPLVSLTSTAPLSVSQTTLTPQSSSTPVLPRARETPTVTF-QITSTW-- 864
 QY 301 PLGCHTFTISPAFVHVLNKKRQLELLREVEWPGRGHMAATCKKLOVEQDRMTSLAA 360
 DB 865 -----SFTMLHSSQTADLK-----SQSTPHQEKVITESKSPSLVS 900

Db 754 YGIAMQKDSHWKRAIDLALLQFLGDSGTQKLETVMWLSGICQNEKN--EVMSSKLDI--DN 809

Qy 121 TEEATRAFYAVAAASAEAW-----HW--RHLVLLSGOIHPIGSGGNIINTNKGSRSCQ 174

Db 810 MGVFYMILLVAMGLALLVFAWEHLVYKLRHSVPNSQLDFFLAFSRGIYSCFSGVQSLA 869

Qy 175 N-PALPSPDQSPSGNATTSV-----TRDNYHLLTEEEFGVMSQSMKWHs-----QNKSGGS 224

Db 870 SPQASPDLTAS--SAQASVLKILQAARD---MVTTA--GV--SNSIDRATRTRIENWGGGR 922

Qy 225 VVVRGPTQPCSESOILKESFVPPPTPKENNKQREDENW-----RLPPPPVAE 273

Db 923 ---RAPPSPCPTPR-----SGSPCLPTDPPPEPSPGMDGGRALVRRAPQPPGR 975

Qy 274 TPVPSVSTEIETPLQRIPTRTATIAEPLGHCTFTISPAFVHSLNKRKRQLELLREVE 333

Db 976 PPTGPPPLSDV-----SRVSR-----RPAW-----EAR 998

Qy 334 WPCR-GHMAATCKLQVEGQDRTMSLAAAPVREAPPPPTGASSEPSVPALPGADPQSAE 392

Db 999 WPVRTGH-----CGRHLSASERPLS--PARCHYSSFPDRADSRGRPFLPLFP--EPEPELD 1049

Qy 393 LLLAVTREGLERR 406

Db 1050 LPLLG--PEQLARR 1061

RESULT 15

US-08-480-474-48

; Sequence 48, Application US/08480474

; Patent No. 6033865

; GENERAL INFORMATION:

; APPLICANT: Daggett, Lorrie P.

; APPLICANT: Ellis, Steven B.

; APPLICANT: Liaw, Chen W.

; APPLICANT: Lu, Chin-Chun

; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA ENCODING

; TITLE OF INVENTION: SAME AND USES THEREFOR

; NUMBER OF SEQUENCES: 54

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Brown, Martin, Haller & McClain

; STREET: 1660 Union Street

; CITY: San Diego

; STATE: CA

; COUNTRY: U.S.A.

; ZIP: 92101-2926

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/480,474

; FILING DATE: 06-JUN-1995

; CLASSIFICATION: 536

; ATTORNEY/AGENT INFORMATION:

; NAME: Seidman, Stephanie

; REGISTRATION NUMBER: 33,779

; REFERENCE/DOCKET NUMBER: 6362-9382B

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 619-238-0999

; TELEFAX: 619-238-0062

; INFORMATION FOR SEQ ID NO: 48:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1231 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-480-474-48

Query Match 5.0%; Score 108.5; DB 3; Length 1231;

Best Local Similarity 22.4%; Pred. No. 0.25;

Matches 97; Conservative 50; Mismatches 164; Indels 123; Gaps 27;

Qy 21 QASVSLSIITENQGRKCPF---CGAQNLMT-----CQNPTLPSVSHRSPGNAAYSVTGG 72

Db 703 QRSVEDALTSLKMGKLDAFIYDAAVLNVMACKDECKLVTI-----GSGKVFATG 753

Qy 73 -----DCHLPTEEFGVLV-----QSMKCDTVRIKGVLOQPTTAPPLMTSEGNVTABD 120

Db 754 YGIAMQKDSHWKRAIDLALLQFLGDSGTQKLETVMWLSGICQNEKN--EVMSSKLDI--DN 809

Qy 121 TEEATRAFYAVAAASAEAW-----HW--RHLVLLSGOIHPIGSGGNIINTNKGSRSCQ 174

Db 810 MGVFYMILLVAMGLALLVFAWEHLVYKLRHSVPNSQLDFFLAFSRGIYSCFSGVQSLA 869

Qy 175 N-PALPSPDQSPSGNATTSV-----TRDNYHLLTEEEFGVMSQSMKWHs-----QNKSGGS 224

Db 870 SPQASPDLTAS--SAQASVLKILQAARD---MVTTA--GV--SNSIDRATRTRIENWGGGR 922

Qy 225 VVVRGPTQPCSESOILKESFVPPPTPKENNKQREDENW-----RLPPPPVAE 273

Db 923 ---RAPPSPCPTPR-----SGSPCLPTDPPPEPSPGMDGGRALVRRAPQPPGR 975

Qy 274 TPVPSVSTEIETPLQRIPTRTATIAEPLGHCTFTISPAFVHSLNKRKRQLELLREVE 333

Db 976 PPTGPPPLSDV-----SRVSR-----RPAW-----EAR 998

Qy 334 WPCR-GHMAATCKLQVEGQDRTMSLAAAPVREAPPPPTGASSEPSVPALPGADPQSAE 392

Db 999 WPVRTGH-----CGRHLSASERPLS--PARCHYSSFPDRADSRGRPFLPLFP--EPEPELD 1049

Qy 393 LLLAVTREGLERR 406

Db 1050 LPLLG--PEQLARR 1061

Search completed: December 25, 2002, 01:15:02

Job time : 34 secs

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